

## **WAVELENGTH AND FILTER ARRANGEMENT FOR WDM NETWORKS**

### **ABSTRACT OF THE DISCLOSURE**

In a ring having first and second adjacent nodes, and two fibers carrying

- 5 information between the first and second nodes, the first fiber carries information in one direction, while the second fiber carries information in another direction. Each fiber includes wavelength capacity allocated to working and protection traffic. The working and protection wavelength capacities in the first fiber are respectively assigned to first and second disjoint sets of wavelengths, while the working and protection wavelength capacities in the second fiber are respectively assigned to the second and first disjoint sets of wavelengths.

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